

LOCKHEED CALIFORNIA COMPANY		ENGINEERING STUDY <input checked="" type="checkbox"/>	CHANGE PROPOSAL <input type="checkbox"/>		LAC - 132					
DATE 24 JULY 1962		AFFECTS : WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>						
NAME OF MAJOR COMPONENT EJECTION SEAT SYSTEM		PART OR LOWEST SUBASSEMBLY CATAPULT		PART NO. & MODEL OR TYPE						
TITLE OF PROPOSAL : QUALIFICATION OF ROCKET POWER CATAPULT P/N 2202-11										
NATURE OF PROPOSAL :  TO CONTRACT A QUALIFICATION TEST PROGRAM ON THE P/N 2202-11 CATAPULT AS OUTLINED ON PAGES 2 & 3.										
REASON FOR PROPOSAL :  TO QUALIFY THE ROCKET POWER P/N 2202-11 CATAPULT FOR USE IN THE EJECTION SEAT SYSTEM.										
ES	ESTIMATED COST AND TIME INVOLVED :		(Qualification Testing) 6 Weeks		STAT					
	ADDITIONAL FUNDING REQUIRED :		NONE SP-1923							
CP	ESTIMATED COST FOR KITS OR PARTS :									
	ADDITIONAL FUNDING REQUIRED :									
ITEMS AFFECTED BY PROPOSAL :										
SAFETY <input checked="" type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTE- NANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTE- NANCE MANUAL <input type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD						NONE				
SOURCE OF PARTS FOR KIT						AVAILABILITY _____ WEEKS AFTER APPROVAL				
DISPOSITION OF SPARES AFFECTED NONE						STAT				
INITIATED BY WSPO/PROJECT						Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180060-8 PROJ				

QUALIFICATION TEST PROGRAM

- (a) Inspection - All units, cartridges and details.
- (b) X-Ray (36 units + cartridges).
- (c) Vibration - six units - Procedure XII MIL-E-5272C except as noted below:

Run entire 9 hours @ 200° F on 2 units.

Run entire 9 hours @ 70° F on 2 units.

Run entire 9 hours @ -65° F on 2 units.

- (d) Shock Test - 6 units per Proc. V MIL-E-5272C.
- (e) Drop Test - 6 units per Paragraph 4.5.11 of MIL-C-25918.
- (f) Static Firing - 30 units, 10 @ +200° F, 10 @ ambient and 10 @ -65° F. Units which were vibrated to be fired at same temperature at which they were vibrated. Shock and Drop units to be fired, 2 each at -65° F, +70° F and +200° F.
- (g) Lock Shut - 6 units to be fired locked shut at 70° F.
- (h) Leakage Test - All 90 cartridges.
- (i) Static Fire 10 Cartridges at 70° F in a closed bomb with 70 cubic inches volume.
- (j) High Temperature Test - 10 Cartridges 50 hours @ 200° F. Disassemble, inspect and discard 5 Cartridges. Fire 5 @ 70° F.
- (k) Low Temperature Test - 10 Cartridges - 20 hours at -65° F Disassemble, inspect and discard 5 Cartridges. Fire 5 @ 70° F
- (l) Temperature Shock Test - 10 Cartridges per Proc. I of MIL-E-5272C. Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.

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QUALIFICATION TEST PROGRAM (cont)

- (m) Humidity Test - 10 Cartridges per Proc. I of MIL-E-5272C.  
Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.
- (n) Salt Spray Test - 10 Cartridges per Proc. I of MIL-E-5272C.  
Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.
- (o) Sand and Dust Test - 10 Cartridges per Proc. I of MIL-E-5272C.  
Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.
- (p) Vibration Tests - 10 Cartridges per Proc. XII MIL-E-5272C  
except the temperatures to be 200° F, +70° F and -65° F equally  
divided.  
Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.
- (q) Shock Test - 10 Cartridges per Proc. V MIL-E-5272C.  
Disassemble, inspect and discard 5 Cartridges. Fire 5 @ +70° F.